Tom Iwaniec

Software Engineer

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SUMMARY

Software engineer with 20+ years of experience designing, building, and running commercial desktop, mobile, web, and cloud software. Skilled across the full software lifecycle, from architecture and development through deployment, infrastructure, and long-term production support. Comfortable owning products end to end, working directly with customers, and modernizing long-lived systems without disrupting the people who rely on them.

EXPERIENCE

Oranged Software — Founder & Principal Software Engineer

2003–Present

Chicago, IL

Independent software company building commercial products for desktop, mobile, and the web, along with custom systems for long-term clients.

- Designed, built, and ran commercial products and long-term client systems across macOS, Windows, iOS, and the web, taking each from first concept through release and years of production use.
- Worked directly with customers and clients to translate business requirements into new products, features, and systems.
- Built and operated the company's commercial infrastructure, including product websites, a custom license store with Braintree and PayPal payment processing, and PHP services for license activation and software updates, all hosted on self-managed Linux (Ubuntu), Apache, and MySQL servers.
- Hired and managed full-time and contract developers, designers, and support staff, defining scope, reviewing work, and owning delivery.

Studiometry

2003–Present

Business management software · macOS, Windows, iOS, Web

- Architected and built a cross-platform business management suite (projects, time tracking, billing, invoicing, expenses, contacts, and reporting) used by 25,000+ businesses and professionals; winner of three Xojo (formerly REALbasic) Design Awards.
- Designed and built Studiometry Cloud (server infrastructure, APIs, sync architecture, database, authentication, and browser client), keeping 10M+ records in sync across desktop, iOS, and web, with peak traffic of ~400K requests a day.
- Migrated the original Objective-C iOS app to Xojo, sharing code across four platforms and cutting release times, while keeping an active customer base running without disruption.
- Shipped 17 major versions and kept the product current through multiple generations of macOS, Windows, and iOS, while owning releases, licensing, payment processing, and customer support.

TECHNOLOGIES Xojo · Objective-C · PHP · SQLite · cubeSQL · MySQL · Stripe · DigitalOcean

VIP Dance (client) 2013–2026

National dance competition · Desktop, web, and at-event systems

- Built the at-event tabulation software used by judges and tabulators to record scores, calculate results and awards, and keep data in sync across machines during live competitions.
- Designed and built the company's online registration platform with integrated Braintree and PayPal payments and two-way sync with the tabulation software; extended it over the years into the company's central operations system, including employee scheduling and accounting.
- Worked directly with the owners and staff to turn complex, frequently changing competition rules into software, covering registration requirements, dancer eligibility and divisions, entry fees, and multi-judge score calculation and awards, and implemented new rules every season.
- Modernized the entire web platform with a ground-up rewrite from Xojo to Ruby on Rails, moving a business-critical system to a new language, framework, and hosting stack and migrating every feature and years of studio, dancer, and payment data with no disruption to live registration or events.
- Turned the platform into a public-facing product for dancers and families, building live score publishing from the tabulation software, photo and video delivery for every routine, social features and studio-level access controls for results.

TECHNOLOGIES Ruby on Rails · Xojo (desktop & web) · PostgreSQL · SQLite · Redis · JavaScript · Braintree · PayPal · Heroku · Render · DigitalOcean Spaces

Other products

- **Floaters** (2024–Present): macOS productivity app for floating notes and workspaces. Built the Xojo app and its Ruby on Rails and Hotwire web platform for registration, licensing, customer feedback, and support.
- **Accounted** (2007–Present): double-entry accounting software for macOS and Windows, built as a sister product to Studiometry and still maintained.

TECHNICAL SKILLS

Core expertise	Software Architecture · Full-Stack Web Development · API Design & Development · Systems & API Integration · Data Synchronization · Relational Databases · Cloud Infrastructure & Deployment · Payment Systems Integration · Desktop & Mobile Application Development · Legacy System Modernization · Automated Testing
Languages	Ruby · JavaScript · SQL · PHP · Xojo · Swift · Objective-C · HTML/CSS
Frameworks & technologies	Ruby on Rails · Hotwire (Turbo, Stimulus) · Tailwind CSS · RSpec · PostgreSQL · MySQL · SQLite · cubeSQL · Redis · Git · Docker · AWS/S3 · DigitalOcean · Heroku · Render · Nginx · Apache · Stripe · Braintree · PayPal